

SKOPENKO, M. Ye.

Bee Culture - Equipment and Supplies

New comb foundation factory in the Ukraine. Pchelovodstvo 30, No. 2, 1953.

9. Monthly List of Russian Accessions, Library of Congress, June 1953, Uncl.

S/078/60/005/009/027/040/XX
B017/B058AUTHORS: Golub, A. M. and Skopenko, V. V.TITLE: Copper SelenocyanatesPERIODICAL: Zhurnal neorganicheskoy khimii, 1960, Vol. 5, No. 9,
pp. 1973 - 1976

TEXT: Copper selenocyanate complexes in acetone solutions were investigated by spectrophotometric and solubility determinations. The dependence of the solubility of copper (I) chloride on the concentration of KCNSe in acetone was ascertained, and the results are graphically represented in Fig. 1. The equilibrium constant of the complex $\text{KCu}(\text{CNSe})\text{Cl}^-$ was calculated as being 0.24. Spectrophotometric examination of copper selenocyanate complexes in acetone solutions shows that the following complexes may appear in the solution: $\text{CuCl}(\text{CNSe})^-$, $\text{Cu}(\text{CNSe})_2^-$, $\text{Cu}(\text{CNSe})_3^{2-}$ and $\text{Cu}(\text{CNSe})_4^{3-}$. The compounds $\text{KCu}(\text{CNSe})\text{Cl}$ and CuCNSe were isolated, and their properties investigated.

Card 1/2

Copper Selenocyanates

S/078/60/005/009/027/040/XX
B017/B058

The compound $\text{KCu}(\text{CNSe})\text{Cl}$ is a colorless, finely crystalline powder which decomposes very easily in water and alcohol. The copper selenocyanate CuCNSe is practically insoluble in water, acetone, or alcohol, and stable in a dry state at normal temperatures. This compound decomposes when heated. Copper selenocyanate is easily soluble in KCNSe solutions under the formation of complexes. The solubility product of CuCNSe at 20°C amounts to $1.82 \cdot 10^{-10}$. The authors mention papers by V. F. Toropov, Yu. V. Karyakin, and I. I. Angelov. There are 2 figures, 1 table, and 8 Soviet references.

ASSOCIATION: Kiyevskiy gosudarstvennyy universitet im. T.G. Shevchenko
Kafedra neorganicheskoy khimii
(Kiyev State University imeni T. G. Shevchenko)
Chair of Inorganic Chemistry)

SUBMITTED: June 12, 1959

Card 2/2

GOLUB, A.M.; SKOPENKO, V.V.

Silver selenocyanate complexes in mixed and methanol solutions.
Zhur. neorg. khim. 6 no.1:140-143 '61. (MLA 14:2)

1. Kiyevskiy gosudarstvennyy universitet im. T.G.Shevchenko.
(Systems (Chemistry)) (Silver compounds)

GOLUB, A.M.; SKOPENKO, V.V.

Selenocyanate complexes of cation silver. Dokl. AN SSSR 138 no.3:
601-604 My '61. (MIRA 14:5)

1. Kiyevskiy gosudarstvennyy universitet im. T.G.Shevchenko.
Predstavleno akademikom I.V.Tananayevym.
(Selenocyanatoargentates)

GOLUB, A.M.; SKOPENKO, V.V.

Selenocyanate complexes of cobalt and nickel. Dokl. AN SSSR
141 no.4:851-854 D '61. (MIRA 14:11)

1. Kiyevskiy gosudarstvennyy universitet im. T.G. Shevchenko.
Predstavleno akademikom I.I. Chernyayevym.
(Cobalt compounds) (Nickel compounds)
(Selenocyanic acid)

GOLUB, A.M.; SKOPENKO, V.V.

Selenocyanate complexes of cobalt. Zhur.neorg.khim. 7 no.5:
1012-1020 My '62. (MIRA 15:7)

1. Kiyevskiy gosudarstvennyy universitet imeni T.G.Shevchenko,
kafedra neorganicheskoy khimii.
(Cobalt compounds) (Selenocyanates)

GOLUB, A.M.; SKOPENKO, V.V.

Selenocyanate complexes of nickel. Zhur.neorg.khim. 7 no.6:
1265-1271 Je '62. (MIRA 15:6)

1. Kiyevskiy gosudarstvennyy universitet imeni Shevchenko,
kafedra neorganicheskoy khimii.
(Nickel compounds) (Selenocyanates)

SKOPENKO, V.V.; BRUSILOVETS, A.I.

Study of selenocyanate complexes of nickel in dimethylformamide.
Ukr. khim. zhur. 30 no.1:24-28 '64. (MIRA 17:6)

1. Kiyevskiy gosudarstvennyy universitet imeni Shevchenko.

SKOPENKO, V.V.; TSINTSADZE, G.V.

Selenocyanates and thiocyanates of some metals of the IV
period. Zhur. neorg. khim. 9 no.11:2675-2677 N '64 (MIRA 18:1)

1. Kiyevskiy gosudarstvennyy universitet imeni T.G. Shevchenko i
Institut obshchey i neorganicheskoy khimii imeni N.S. Kurnakova
AN SSSR.

Соединения серебра с галогенидами, 1984.

Mixed complexes based on silver selenopyrate. Zhur. neorg. khim.
10 no. 12: 2418-2422, 1984. (MER 18-11)

1. Kiyevskiy gosudarstvennyy universitet imeni Shevchenko.
Submitted May 21, 1984.

KHARITONOV, Yu.Ya.; SKOFENKO, V.V.

Infrared absorption spectra of inorganic selenocyanates.
Zhur.nerog.khim. 10 no.8:1803-1815 Ag '65.

(MIRA 1961)

1. Institut obshchey i neorganicheskoy khimii imeni N.S.Kurnakova
AN SSSR i Kiyevskiy gosudarstvennyy universitet. Submitted
January 21, 1965.

L 15735-63 EPA(b)/EWT(1)/EDS AEDC/AFTTC/ASD/AFMDC Pd-4
 ACCESSION NR: AR3002675 S/0124/63/000/005/B086/B086

SOURCE: Rzh. Mekhanika, Abs. 5B510

AUTHOR: Skopets, M.B. 59

TITLE: Approximate integration of the thermal equations of the laminar boundary layer in an incompressible gas at comparatively high temperature impulsions

CITED SOURCE: Dokl. na nauchn. konferentsiyakh. Yaroslavsk. gos. ped. in-t., v. 1, no. 3, 1962, 163-169

TOPIC TAGS: laminar flow, boundary layer, boundary flow, thermal equation, energy equation, Dorodnitsyn variable, temperature profile, gas, incompressible gas

TRANSLATION: The author considers the flow in the boundary layer for arbitrary velocity distribution in the base of the current, taking $\rho \sim T$. The work of the pressure and frictional force is neglected in the energy equation. A system of equations for successive moments is written, obtained as a result of the multiplication of the energy equation by η^k (η is the Dorodnits variable, $k = 0, 1, 2, \dots$) and integration across the layer. With the use of the form

Card 1/2

L 15735-63

ACCESSION NR: AR3002675

of the velocity and temperature profile for the plane plate, the equation is solved for the first two moments. A formula is given for the calculation of the local thermal transfer coefficients. R.M. Kopyatkevich.

DATE ACQ: 14Jun63

SUB CODE: PH

ENCL: 00

Card 2/2

SKOPINS, H.B.

Evaluation of immediate and late results of gastri. resection.
for ulcer. Khirurgiia 40 no.9:36-39 S '64 (MIRA 18:3)

1. Khirurgicheskoye otdeleniye (zav. - zaslužennyy vrach
RSFSR H.G. Kirilenov) Saratovskoy okrugnoy bol'nitsy No.2
(glavnyy vrach - zaslužennyy vrach RSFSR H.S. Sakenova).

SKOPETS, M.D. (Saratov, 48, pos. Komsomol'skiy, 2-y Prudnyy poyezd, d.12)

Acute cholecystitis after resection of the stomach. Vest.khir.
no.3:119-120 '62. (MIRA 15:3)

1. Iz khirurgicheskogo otdeleniya (zav. - zasluzh. vrach RSFSR
N.G. Kirsanov) oblastnoy bol'nitsy No.2 (gl. vrach - zasluzh.
vrach RSFSR M.S. Shkeneva) g. Saratova.
(STOMACH--SURGERY) (GALL BLADDER--DISEASES)

SKOPETS, M.D.

Perforation of the jejunum into the mesentery. Khirurgiia no.3:
123 '62. (MIRA 15:3)

1. Iz khirurgicheskogo otdeleniya (zav. -- zasluzhennyi vrach
RSFSR N.G. Kirsanov) oblastnoy bol'nitsy No.2 (glavnyi vrach -
zasluzhennyi vrach RSFSR M.S. Shkeneva) Saratov.
(JEJUNUM--DISEASES) (MESENTERY--DISEASES)

SKOPETS, YE. V.

29348 O nekotorykh oslozhneniyyakh pri mandibulyarnoy anestezi. Trudy
Molotovsk. gos. stomatol. in-ta, vyp. 8, 1949, s. 195-200

SO: Letopis' Zhrunal'nykh Statey, Vol. 7, 1949

Abstracts Medica Soc 9 Surgery Vol. 8/11 Nov 1954

7543. SKOPETS E.V. The clinical course and the results of treatment of patients with a chronic osteomyelitis of the mandible with sequestration of the processus articularis (Russian text) STOMATOLOGIJA 1954, 1 (34-38)

The sequestra are to be removed surgically not before their complete loosening from the normal, intact bone and the formation of a sequestral capsule takes place. The sequestrotomy is to be performed by means of incisions led through the fistulae so as not to damage the sequestral capsule. Physiotherapy is indicated in the postoperative treatment.

Adamek - Nachod

SKOPETS, E.V., kandidat meditsinskikh nauk

Complicated dentition of the wisdom teeth. Stomatologiya no.6:
19-23 N-D '54. (MLRA 8:1)

1. Iz kafedry khirurgicheskoy stomatologii i kliniki chelustno-
litsevoy khirurgii (zav. kafedroy i klinikoy - prof. S.F.Kosykh)
stomatologicheskogo fakul'teta Molotovskogo meditsinskogo
instituta (dir.-prof. I.I.Kositsyn)

(TEETH

wisdom teeth, management of complicated dentition)

SKOPETS, Ye.V., kandidat meditsinskikh nauk

Intramuscular administration of hexanol anesthesia in stomatological operations on children. Stomatologiya 35 no.2:36-38 Mr-Apr '56.

(MLRA 9:8)

1. Iz kafedry khirurgicheskoy stomatologii (zav.-prof. S.F.Kosykh) stomatologicheskogo fakul'teta Molotovskogo gosudarstvennogo meditsinskogo instituta (dir.-prof. I.I.Kositsyn)

(ANESTHESIA IN DENTISTRY) (EVIPAL)

SKOPETS, Ye.V., kand.med.nauk (Perm', ul. Karla Marksa, d. 1, kv.44)

Late results of surgical treatment of hemangioma of the maxillo-facial area in children [with summary in English]. Vest.khir. 81 no.12 D '58. (MIRA 12:2)

1. Iz kliniki khirurgicheskoy stomatologii i kliniki chelyustno-litseyvoy khirurgii (zav. - prof. S.F. Kosykh) Permskogo meditsinskogo instituta.

(ANGIOMA, in inf. & child
maxillofacial area, surg., remote results (Rus))
(FACE, neoplasms
angioma of maxillofacial area in child., surg.,
remote results (Rus))
(MAXILLA, neoplasms,
same)

SKOPETS, Z. [A]

O nekotorykh metodakh postroyeniya spetsial'nykh transformatsiy krenona. M., dissertatsiya (1946).

SO: Mathematics in the USSR, 1917-1947
edited by Kurosh, A. G.
Markushevich, A. I.,
Rashevskiy, P. K.
Moscow-Leningrad, 1948

SKOPETS, Z. A.

Skopets, Z. A. Invariant elements of the family of collineations with a perspective basis. Doklady Akad. Nauk SSSR (N.S.) 81, 1003-1006 (1951). (Russian)
It is shown that in a projective space of dimension m , any collineation which takes $m+1$ given points into $m+1$ given perspective points has invariant elements which are polar with respect to a quadratic hypersurface. This result is obtained by a study of normal curves and their secants.
Marshall Hall (Washington, D. C.).

Source: Mathematical Reviews,

Vol 13 No. 7

USSR/Mathematics - Transformations, 21 Apr 52
Cremona

"Quadratic Cremona Transformations on a Plane and
Complex Numbers," B. A. Rozenfel'd, Z. A. Skopets

"Dok Ak Nauk SSSR" Vol LXXXIII, No 6, pp 801-804

One of the simplest quadratic Cremona transformations on the Euclidean plane is the circular transformation represented by the fractional-linear (bilinear) transformation of the complex-variable plane. Current article demonstrates that all Cremona transformations in a projective plane

223T67

can be obtained with the aid of bilinear transformations of various kinds of complex numbers. Submitted by Acad I. G. Petrovskiy 21 Feb 52.

223T67

SKOPETS Z. A.

SKOPETS, Z. A.

Configurations

Curves defined by configurations of Desargues. Dokl. AN SSSR, 85, No. 2, 1952.

9. Monthly List of Russian Accessions, Library of Congress, November 195~~7~~, Uncl.
2

SKOPETS, Z.A.

Certain methods for the derivation of special Cremona transformations.
Uch.zap.Mosk.un. no.155:73-93 '52. (MLRA 8:7)
(Cremona transformations)

SKOPETS, Z. A.

USSR Mathematics - Non-Euclidean Geometry

Card 1/1

Author : Skopets, Z. A.

Title : Certain types of plane and skew quadrangles in the Lobachevskian space

Periodical : Usp. mat. nauk, 9, No 2(60), 180-183 - 1953

Abstract : Studies plane or skew quadrilaterals in which the sum of any two sides equals the sum of the other two sides, in the Lobachevskian space.
Six references: 2 USSR, latest (1949) being V. F. Kagan, Osnovaniya geometrii [Principles of geometry], State Technical Press.

Submitted : July 10, 1953

SKOPETS, Z.A. (Yaroslavl')

Laguerre's group in Lobachevskii's plane and rigid transformations connected with this group in a projective space, Uch.zap. Kaz.un. 115 no.10:17-18 '55. (MLRA 10:5)
(Geometry, Projective)

SKOPETS, Z. A.

Transactions of the Third All-union Mathematical Congress * (Cont.) Moscow,
 Jun-Jul '56, Trudy '56, V. 1, Sect. Rpts., Izdatel'stvo AN SSSR, Moscow, 1956, 237 pp.
 Rybakov, V. N. (Moscow). Tangential Deformation of Surfaces and Connected Problems. 166-167

Sen'kin, Ye. P. (Leningrad). Indeforability of Convex Surfaces. 167

Mention is made of Pogorelov, A. B.

There are 3 references, all of them USSR

Sinyukov, N. S. (Odessa) Geodesic Representation of Riemann Spaces. 167-168

Mention is made of Shapiro, Ya. L.

Skopets, Z. A. (Yaroslavl'). Application of Non-Euclidean Geometries for Generalizing of the Principle of Two Traces in Descriptive Geometry Euclidean Space. 169

Card 54/80

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SOV/44 - 58 - 4 - 3206

Translation from: Referativnyy zhurnal, Matematika, 1958, Nr 4,
p 122 (USSR)

AUTHOR: Skopets, Z.A.

TITLE: Application of Noneuclidean Geometries to a Generalization
of the Principle of Two Traces in Descriptive Geometry of
Euclidean Space (Primeneniye neyevklidovykh geometriy k
obobshcheniyu printsipa dvukh sledov v nachertatel'noy
geometrii yevklidova prostranstva)

PERIODICAL: Tr. 3-go Vses. matem. s"yezda, Nr 1, Moscow, AN SSSR,
1956, pp 168 - 169

ABSTRACT: Bibliographic entry.

Card 1/1

GRADSHTEYN, I.S. (Moscow) ROFE-BEKETOV, F.S. (Khar'kov); MINLOS, R.A. (Moscow)
SKOPETS, Z.A. (Yaroslavl'); GEL'FOND, A.O. (Moscow); YAGLOM, A.M.
(Moscow); ROBINSON, R.M. (SShA); DUBNOV, Ya.S. (Moscow); STECHKIN,
S.B. (Moscow)

Problems of higher mathematics. Mat. pres. no.1:224-227 '57.
(MIRA 11:7)

(Mathematics--Problems, exercises, etc.)

SKOPETS, Z.A. (Yaroslavl')

Some comments on Pompeiu's theorem. Mat. pros. no.2:205-210 '57.
(MIRA 11:7)

(Geometry)

TANATAR, I.Ya. (Moscow); SKOPETS, Z.A. (Yaroslavl'); ARNOL'D, V.I.
(Moscow); DYNKIN, Ye.B. (Moscow); LORDKIPANIDZE, B.G.(L'vov);
KONSTANTINOV, N.N. (Moscow); BKREZIN, F.A.(Moscow)

Problems of elementary mathematics. Mat. pros. no.2:267-270 '57.
(MIRA 11:7)

(Mathematics--Problems, exercises, etc.)

AUTHOR: Skopets, Z.A. (Yaroslavl') SOV/40 58-1-16/21

TITLE: The Mapping of the Straight Lines of the Projective Space Onto the Plane With the Aid of the Monoids (Otobrazheniye pryamykh proyektivnogo prostranstva na ploskost' posredstvom monoidov)

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy Ministerstva vysshego obrazovaniya SSSR, Matematika, 1958, Nr 1, pp 152 - 157 (USSR)

ABSTRACT: The author carried out in former papers [Ref 2,3] the mapping of the straight lines of the projective space onto systems of points of the projective plane with the aid of stereographic or cyclographic mapped conic sections. He now shows that also algebraic surfaces of higher order are suitable for this purpose, especially the monoids, i.e. surfaces of order n with an $(n - 1)$ -fold singular point. The investigation is carried out in the extended Euclidean space and the central projection from the singular point is replaced by the orthogonal projection onto the image plane. Thereby the construction of the mappings of the intersections of a monoid with a ruled surface is possible. In the proof of the rather complicated method of construction some well-known theorems of Darboux and Poncelet are partially generalized. An exact description

Card 1/2

The Mapping of the Straight Lines of the Projective
Space Onto the Plane With the Aid of the Monoids

SOV/140-58-16/21

of the method of construction for $n = 2$ is found in [Ref 7] .
There are 7 references, 3 of which are Soviet, 2 German,
1 Italian, and 1 French.

ASSOCIATION: Yaroslavskiy pedagogicheskiy institut imeni K.D. Ushinskogo
(Yaroslavl' Pedagogical Institute imeni K.D. Ushinskiy)

SUBMITTED: October 18, 1957

Card 2/2

SKOPETS, Z.A. (Yaroslavl')

Mapping second order surfaces onto a plane. Mat. pros. no.3:
167-171 '58. (MIRA 11:9)

(Geometry)

ZALGALLER, S.I. (Leningrad); SKOPETS, Z.A. (Yaroslavl'); ROFE-BEKETOV, F.S.
(Khar'kov); LANDIS, Ye.M. (Moskva); LEVIN, V.I. (Moskva); STECHKIN,
S.B. (Moskva); LYAPUNOV, A.A. (Moskva); ARNOL'D, V.I. (Moskva);
LOPSHITS, A.M. (Moskva)

Problems of higher mathematics. Mat.pros. no.3:270-274 '58.
(MIRA 11:9)
(Mathematics--Problems, exercises, etc.)

AUTHOR: ~~Skopets, Z.A.~~ SOV/140-58-6-23/27
TITLE: Cyclographic Mapping of the Pseudohyperbolic Space Onto an Ideal Domain of the Lobachevskiy Plane (Tsiklograficheskoye otobrazheniye psevdogiperbolicheskogo prostranstva na ideal'nyu oblast' ploskosti Lobachevskogo)
PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Matematika, 1958, Nr 6, pp 233-243 (USSR)
ABSTRACT: The author considers the projection onto a plane of a hyperbolically metrisated three-dimensional projective space. The mapping in question is essentially the same as that one investigated by the author in his publication for the Lobachevskiy memorial book [Ref 1], but here it is interpreted somewhat different and it is treated with the aid of coordinates. The paper is divided into 5 paragraphs and contains 5 theorems.
There are 4 figures and 3 references, 2 of which are Soviet, and 1 German.
ASSOCIATION: Yaroslavskiy pedagogicheskiy institut imeni K.D.Ushinskogo (Yaroslavl' Pedagogical Institute imeni K.D.Ushinskiy)
SUBMITTED: December 24, 1957

Card 1/1

AUTHOR: Skopets, Z.A. (Yaroslavl') 39-44-2-7/10

TITLE: The Mapping of the Planes of the Threedimensional Euclidean Space on Oriented Curves of Third Order in the Euclidean Plane (Otobrazheniye ploskostey trekhmernogo evklidova prostranstva na orientirovannyye krivyye tret'yego poryadka v evklidovoy ploskosti)

PERIODICAL: Matematicheskiy Sbornik, 1958, Vol 44, Nr 2, pp 245-262 (USSR)

ABSTRACT: In the projective threedimensional real Euclidean space the author considers surfaces of third order F_3 with the symmetry plane π which is assumed to be intersected by F_3 along C_3 . It is stated that all the planes of the considered space can be mapped one-to-one onto oriented curves of third order which lie in π and possess threefold contact with C_3 and common asymptotic directions. The three points of contact lie on the sectional line of the mapped plane with π . Several special properties of this mapping are considered, also degenerated C_3 and degenerated mapping curves. With purely geometric classical means the author proves 7 theorems. There are 7 references, 1 of which

Card 1/2

The Mapping of the Planes of the Threedimensional Euclidean Space on Oriented Curves of Third Order in the Euclidean Plane 39-44-2-7/10

is Soviet, 1 American, and 5 German.

SUBMITTED: June 25, 1956

AVAILABLE: Library of Congress

1. Conformal mapping
2. Geometric equations

Card 2/2

SKOPETS, Z.A. (Yaroslavl'); OSTROVSKIY, A.I. (Moskva); BESKIN, L.N. (Moskva);
 BALK, M.B. (Smolensk); BORSUK, M.V. (Lvov); BYKOV, A.M. (Baku);
 CHANTURIYA, Z.A. (Tbilisi); NOVIKOVA, V.S. (Orekhovo-Zuyevo); DUBNOV,
 Ya.S. (Moskva); STECHKIN, S.B. (Moskva); KHAVIN, L.P. (Leningrad);
 ERDNIYEV, P., (Stavropol'); CHIAREULI, D.L. (GruzSSR); ASKERITOV, U.M.
 (Yaroslavl'); GOLUBEV, V.A. (Kuvshino); MALININ, V.V. (Leningrad);
 DAVYDOV, U. (Gomel'); ROZEMBERG, V.I. (Leningrad); TIKHONOV, P.G.
 (Kamensk); ROMANCHUK, M.A. (Khar'kov); MINLOS, R.A. (Moskva); OGAY,
 S.V. (Prunze); ROFE-BEKETOV, F.S.; BERSHTEYN, A. (Moskva); ARLAZAROV,
 V.L. (Moskva)

Solutions to problems. Mat.pros. no.4:252-270 '53.

(MIRA 12:11)

(Mathematics--Problems, exercises, etc.)

SKOPETS, Z.A. (Yaroslav')

Elementary proof of one of R. Erdős' theorems. Mat. pros. no.5:
151-152 '60. (MIRA 13:12)

(Triangle)

SKOPETS, Z.A. (Yaroslavl')

One pair of special tetrahedrons. Mat. pros. no.5:185-192 '60.
(MIRA 13:12)
(Tetrahedra)

GEL'FAND, I.M. (Moskva); DYUDENI, N.Ye. (SShA); KIRILLOV, A.A. (Moskva);
PODSYPANIN, V. (Tula); TER-MKRTACHAN, M. (Yerevan); KUZ'MIN, Yu.I.
(Moskva); VEYL', G. (SShA); FADDEYEV, D.K. (Leningrad); ARNOL'D,
V.I. (Moskva); IVANOV, V.F. (San-Karlos, Kaliforniya, SShA);
GRAYEV, M.I. (Moskva); LEBEDEV, N.A. (Leningrad); LOPSEITS, A.M.
(Moskva); ZHITOMIRSKIY, Ya.I.; MITYAGIN, B.S. (Moskva); SKOPETS,
Z.A. (Yaroslavl'); PUANKARE, A. (Frantsiya); GAVEL, V.V. (Brno,
Chekhoslovakiya); SOLOMYAK, M.Z. (Leningrad); LEVIN, V.I. (Moskva);
BARBAN, M.B. (Tashkent); FRIDMAN, L.M. (Tula)

Problems. Mat. pros. no.5:253-260 '60.

(MIRA 13:12)

(Mathematics--Problems, exercises, etc.)

ZAIGALLER, V.A. (Leningrad); RUDENKO, N. (Moskva); DAVYDOV, U. (Gomel');
RABINOVICH, V. (Petrovsk-Kazakhstanskiy); BESKIN, L.N. (Moskva);
TANATAR, I.Ya. (Moskva); SKOPETS, Z.A. (Yaroslavl'); DUBNOV, Ya.S.
(Moskva); GEL'FOND, A.O. (Moskva); ROBINSON, R.M. (SSHA); BALK,
M.B. (Smolensk); SHUB-SIZHENEC, Yu.A. (Moskva)

Solutions to the problems. Mat. pros. no.5:261-274 '60.
(MIRA 13:12)
(Mathematics—Problems, exercises, etc.)

SKOPETS, Z.A.

Lie transformations in non-Euclidean planes. Uch. zap.
IAr. gos. ped. inst. no.34:201-216 '60. (MIRA 15:9)
(Transformations (Mathematics))

SKOPETS, Z.A.

Cyclographic mapping of a Lobachevskii space on an elliptic
plane. Uch. zap. IAr. gos. ped. inst. no.34:219-231 '60.
(MIRA 15:9)

(Geometry, Descriptive)

SKOPETS, Z.A.

Some cyclographic problems in non-Euclidean geometry.
Uch. zap. IAr. gos. ped. inst. no.34:235-299 '60. (MIRA 15:9)
(Geometry, Descriptive)

SKOPETS, Z. A., Doc PHYS-MATH SCI, "NON-EUCLIDIAN AND
PROJECTED CYCLOGRAPHY AND ITS APPLICATION IN DESCRIPTIVE
GEOMETRY IN EUCLIDIAN SPACE." MOSCOW, 1961. (MOSCOW STATE
PEDAGOGICAL INSTITUTE IMENI V. I. LENIN). (KL-DV, 11-61,208).

SKOPETS, Z.A.

Generalization of Blaschke-Grünwald kinematic representations.
Izv. vys. ucheb. zav.; mat. no.3:109-115 '61. (MIRA 14:7)

1. Yaroslavskiy pedagogicheskiy institut imeni K.D.Ushinskogo.
(Kinematic gecmetry)

SKOPETS, Z.A.

General cyclographic mapping of non-Euclidean spaces, and Monge's
method. Izv.vys.ucheb.zav.; mat. no.5:51-60 '61. (MIRA 14:10)

1. Yaroslavskiy pedagogicheskiy institut.
(Geometry, Non- Euclidean)

SKOPETS, Z.A.

Mapping of a space onto a plane by means of space curves. Izv.
vys. ucheb. zav.; mat. no.6:97-107 '61. (MIRA 15:3)

1. Yaroslavskiy pedagogicheskiy institut imeni K.D.Ushinskogo.
(Geometry, Differential--Projective)

BING, R.G.; KAZARINOV, N.D. (Madison, Wisconsin, SSHA); KAZHDAN, I.A.,
(studentka 4-go kursa); MAS'KO, S.S. (studentka 4-go kursa); DORFMAN,
A.G. (Gor'kiy); KUZHEL', A.V. (Uman'); SKOPETS, Z.A. (Yaroslavl');
TELESIN, Yu.Z. (Moskva)

Brief notes. Mat.pros. no.6:205-216 '61.

(MIRA 15:3)

1. Moskovskiy gosudarstvennyy pedagogicheskiy institut imeni Lenina
(for Kazhdan, Mas'ko).
(Mathematics--Problems, exercises, etc.)

SKOPETS, Zalman Alterovich; ZHAROV, Viktor Aleksandrovich; SMOLYANSKIY,
M.L., red.; ZYKMA, T.N., tekhn. red.

[Problems and theorems in geometry(plane); a textbook for
students of pedagogical institutes]Zadachi i teoremy po geo-
metrii (planimetriia); posobie dlia studentov pedagogicheskikh
institutov. Moskva, Uchpedgiz, 1962. 161 p. (MIRA 15:10)
(Geometry---Problems, exercises, etc.)

SKOPETS, Z.A.; ASEKRITOV, U.M.

Mapping of a space onto a plane by means of a cubic circle.
Izv. vys. ucheb. zav.; mat. no.1:171 '62. (MIRA 15:1)
(Conformal mapping)

SKOPETS, Z.A.

Mapping of a space onto a plane by means of a space curve of the fourth order with a bitangential point. Izv.vys.ucheb.zav.; mat. no.2:142-150 '62. (MIRA 15:8)

1. Yaroslavskiy gosudarstvennyy pedagogicheskiy institut imeni K.D.Ushinskogo.
(Transformations (Mathematics)) (Geometry, Algebraic)

D'YAKONOVA, I.P., SKOPETS, Z.A.

Combined oblique and stereographic projection of a quadric onto a
plane. Dokl. na nauch. konf. 1 no.3:55-59 '62. (MIRA 16:8)
(Geometry, Projective) (Quadrics) (Cremona transformations)

ZHAROV, V.A.; SKOPETS, Z.A.

Two cosine theorems for a quadrangle. Dokl. na nauch. konf. 1
no.3:60-67 '62. (MIRA 16:8)

(Geometry, Plane)

SKOPETS, Z.A.; EPSHTEYN, I.Sh.

Representation of the motions of a Lobachevskii space on a
Möbius plane. Dokl. na nauch. konf. 1 no.3:121-124 '62.
(MIRA 16:8)

(Projection) (Geometry, Non-Euclidean)

ISAKOV, A.A. (Kemerovskaya oblast'); ZHURGARAYEV, Amangel'dy (Dzhambul'skaya obl., KazSSR); VLADIMIROV, A. (Asbest); FRIMAN, L.I. (Yaroslavl'); KILIMNIK, Ya.Ye. (Vinnitsa); TEREKHOV, I.A. (Skopin); AKDAULETOV, N.A. (pos.Mertuk. KazSSR); ZAKHARKIN, V.Ye. (pos.Rudtsev, Tul'skaya oblast'); SHESTOPAL, G.A. (Moskva); KOTIY, O.A. (Yaroslavl'); GAUKHMAN, V.A. (Moskva); LOPSHITS, A.M. (Yaroslavl'); SERGUSHOV, S.A. (Yaroslavl'); GOTMAN, E.G. (Pechora); VETROV, K.V. (Putintsevo, Vostochno-Kazakhstanskoy obl.); MIKHELEVICH, Sh.Kh. (Daugavpils); SKOPETS, Z.A. (Yaroslavl'); RYBAKOV, L.M. (Yaroslavl'); CHEGODAYEV, A.I. (Gavrilov-Yam)

Problems. Mat.v shkole no.6:85-92 N-D '62. (MIRA 16:1)
(Mathematics--Problems, exercises, etc.)

SKOPETS, Z.A. (Yaroslavl')

Analytic solution of three geometry problems. Mat.v shkole
no.5:94-95 S-O '62. (MIRA 15:12)
(Geometry, Plane--Problems, exercises, etc.)

SKOPETS, Z.A. (Yaroslavl'); CHEGODAYEV, A.I. (Gavrilov Yam)

Theorems involving two and three rotations and their use in
the solution and designing of geometrical problems. Mat. v
shkole no.3:60-65 My-Je '63. (MIRA 16:7)

(Geometry—Study and teaching)

SKOPETS, Z.A. (Yaroslavl'); MAYOROV, V.M. (Drezden); YAGLOM, I.M.
(Moskva); DOBROKHOTOVA, M.A. (Yaroslavl')

Selected problems and theorems and special methods for their
solution. Part 2. Mat. v shkole no.3:90 My-Je '63.
(MIRA 16:7)

(Mathematics—Problems, exercises, etc.)

SKOPETS, Z.A.; ASEKRITOV, U.M. (Yaroslavl')

Mapping of a space onto a plane by means of a cubic circle.
Izv. vys. ucheb. zav.; mat. no. 5:113-116 '63. (MIRA 16:11)

SKOPETS, Z.A.

Use of a normed curve in mapping a four-dimensional space on
a two-dimensional plane. Trudy Sem.po vekt.i tenz.anal.
no.12:443-450 '63. (MIRA 16:6)
(Geometry, Projective) (Homology theory)

SKOPETS, Z.A. (Yaroslavl')

Oblique mapping of a third-order double-point surface onto
a plane. Izv.vys.ucheb.zav.; mat. no. 1:117-121 '64.
(MIRA 17:5)

SKOPETS, Z.A. (Yaroslavl')

Use of homology in converting two second-order curves into two
circles. Izv. vys. ucheb. zav.; mat. no. 2:139-143 '64.
(MIRA 17:8)

SKOPETS, Z.A. (Yaroslavl')

Mapping of a space onto a plane by means of a tetrahedral
cyclic complex. Izv. vys. ucheb. zav.: Mat. no. 4: 144-153
'64. (MIRA 17:9)

SKOPETS, Z.A.; YAGLOM, I.M.

Laguerre transformations of a Lobachevskii plane and linear-
fractional transformations of a double variable. Uch. zap.
MGPI no. 243:366-376 '65 (MIRA 19:1)

SKOPICH, V., podpolkovnik; VASIL'YEV, N., podpolkovnik; OFITSEROV, V., mayer.

Method of tactical drill with elements of group exercises in training
cadets. Voen.vest. 36 no.9:12-15 S '56. (MLRA 9:10)
(Military education)

SKOPICH, V.M., kandidat tekhnicheskikh nauk; GIBSHMAN, Ye.Ye., zasluzhennyy deyatel' nauki i tekhniki RSFSR, professor, redaktor; GOLUBKOVA, Ye.S., redaktor; GALAKTIONOVA, Ye.N., tekhnicheskiiy redaktor

[Highway bridges made of prestressed reinforced concrete] Avtodorozhnye mosty iz napriazhenno-armirovannogo betona. Pod red. E.E. Gibshmana. Moskva, Nauchno-tekhn. izd-vo avtotransp. lit-ry, 1957. 311 p.
(Bridges, Concrete) (MLRA 10:4)

KOLOKOLOV, N.M.; SKOPICH, V.M., starshiy nauchnyy sotrudnik

New types of high-strength reinforcement in bridge construction.
Bet. i zhel.-bet. no.10:454-456 O '61. (MIRA 14:12)

1. Rukovoditel' laboratorii zhelezobetonnykh mostov Vsesoyuznogo
nauchno-issledovatel'skogo instituta transportnogo stroitel'stva
Ministerstva transportnogo stroitel'stva (for Kolokolov)..
(Concrete reinforcement)
(Bridges, Concrete)

SKOPICHENKO, M.

For those who mine coal. Obshchestv. pit. no. 7:4-5 J1 '58.
(MIRA 11:7)

1. Zaveduyushchaya stolovoy No. 13 otдела rabochego snabzheniya
tresta "Makeyevugol'."
(Makeyevka--Restaurants, lunchrooms, etc.)

SKOPICHENKO, M.F.

Practice in using logging for the correlation of the
geological cross sections of the Kuban. Sbor.nauch.rab.
Kiev.un. no.1:139-143 '63.

(MIRA 18:11)

SKOPICHENKO, M.F.

SKOPICHENKO, M.F.

Disorders of the carbohydrate liver function in cancer with varied
localization. Medych. zhur. 23 no.4:45-63 '53. (MLRA 8:2)

1. Kiivs'kiy medichniy institut gospi'tal'na terapevtichna klinika.
(LIVER--GLYCOGENIC FUNCTION) (CANCER)

Skopichenko, N. F.

✓ Nitrogenous metabolism of the liver in the presence of cancer of the internal organs. N. F. Skopichenko. *Meditsinskii Zhur.* 23, No. 6, 60-7 (1951) (in Ukrainian; Russian summary); *Referat. Zhur. Khim., Biol. Khim.* 1955, No. 1616. — A study was made of the amino-N (I) and urea (II) in the blood and urine of 20 cancer patients prior to and after oral administration of 25 g. glycine (III). Normal subjects were used as controls. After administration of III, blood tests were made every 30 min. during the first 3 hrs. and urinalyses every 1.5, 3, 4, and 5 hrs. The level of I in cancer patients prior to receiving III is near normal. After the administration of III the level of I in whole blood increased to 49.2, and in serum to 66.1 mg. % (corresponding normals were 31.5 and 52 mg. %). Curves of I in cancer patients were characterized by a slower rise and fall than in normal subjects. The quantity of I eliminated via the urine in 5 hrs. in cancer patients was 388 mg. and in normals 246 mg. The blood level of II in cancer patients prior to and following the administration of III was below that of the controls. Blood curves of I in cancer and normal individuals were similar. Cancer patients receiving III eliminated via the urine 3.9 g. of II in 5 hrs. as compared with 5.8 g. in controls. The exptl. evidence points to a disturbance in the deamination function of the liver.

B. S. Levine

0.10. 1950, 1. 1.

SKOPICHENKO, N. P. -- "Disturbances to Liver Functions in Cancer of the Internal Organs." Kiev Order of Labor Red Banner Medical Inst imeni Academician N. A. Bogomolets. Kiev, 1954. (Dissertation for the Degree of Candidate of Medical Sciences)

10: Knizhnyy letopis', No. 4, Moscow, 1956

SKOPICHENKO, M.F.

Thymol-veronal test in cancer of the internal organs. Medych.
zhur.24 no.2:88-91 '54. (MLRA 8:10)

1. Kiivskiy medichnyy institut, gosptal'na terapevtichna
klinika.

(NEOPLASMS, diagnosis,
thymol-veronal test in cancer of internal organs)

(THYMOL,
thymol-veronal test in cancer of internal organs)

SKOPICHENKO, M.F.—

Vasyl' Mykolaiovych Holovtsyn. Nauk. zap. Kyiv. un. 15 no.2:183-184
'56. (MIRA 11:7)

(Holovtsyn, Vasyl' Mykolaiovych, 1905-)

SKOPICHENKO, N.F. [Skopychenko, M.F.]

Effect of diathermy on liver function in diseases of the liver
and biliary tract [with summary in English]. Fiziol. zhur. [Ukr.]
4 no.2:220-229 Mr-Apr '58. (MIRA 11:5)

1.Kiivs'kiy medichniy institut im. akademika O.O. Bogomol'tsya,
gospital'na terapevtichna klinika.
(DIATHERMY) (LIVER) (BILIARY TRACT)

SKOPICHENKO, N.F. [Skopychenko, M.F.]

Disorders in the antitoxic function of the liver in patients
with cancer of internal organs. Fiziol.zhur. [Ukr.] 5 no.4:
529-539 J1-Ag '59. (MIRA 12:11)

1. Kiyevskiy meditsinskiy institut im. A.A.Bogomol'tsa,
gospital'naya terapevticheskaya klinika.
(CANCER) (LIVER)

SKOPICHENKO, N.F., dotsent

Liver function disorders in cancer of the internal organs. Vrach.
delo no.12:47-54 D '60. (MIRA 14:1)

1. Kafedra fakul'tetskoy terapevticheskoy kliniki (zav. - akademik
AN USSR, deystvitel'nyy chlen AMN SSR, prof. V.N.Ivanov) Kiyevskogo
meditsinskogo instituta.
(LIVER---DISEASES) (CANCER)

IVANOV, V.N., akademik, prof., otv. red.; BURCHINSKIY, G.I., prof.,
zam. red.; LIKHTEINSKIY, Ye.I., doktor med. nauk, red.;
MIKHNEV, A.L., zasl. deyatel' nauki, prof., red.;
PELESHCHUK, A.P., dots., red.; REVUTSKIY, Ye.L., starshiy
nauchnyy sotr., red.; SKOPICHENKO, N.F., dots., red.;
CHEBOTAREV, D.F., prof., red.; YANOVSKIY, D.N., prof., red.;
GITSHEYN, A.D., tekhn. red.

[Transactions of the 7th Congress of Therapeutists of the
Ukrainian S.S.R.] Trudy VII s"ezda terapevtov Ukrainskoi SSR.
Kiev, Gosmedizdat USSR, 1962. 610 p. (MIRA 15:10)

1. S"yezd terapevtov Ukrainskoy SSR. 7th, 1957. 2. Akademiya
nauk Ukrainskoy SSR i deystvitel'nyy chlen Akademii meditsin-
skikh nauk SSSR, predsedatel' Pravleniya Respublikanskogo
nauchnogo obshchestva terapevtov Ukrainskoy SSR (for Ivanov).
3. Glavnyy terapevt Ministerstva zdravookhraneniya Ukrainskoy
SSR (for Chebotarev). 4. **Otvetsvennyy sekretar' Pravleniya
Respublikanskogo nauchnogo obshchestva terapevtov Ukrainskoy
SSR** (for Revutskiy). 5. Zamestiteli predsedatelya Pravleniya
Respublikanskogo nauchnogo obshchestva terapevtov Ukrainskoy
SSR (for Mikhnev, Chebotarev).

(THERAPEUTICS—CONGRESSES)

PELESHCHUK, A.P.; REVUTSKIY, Ye.L.; SKOPICHENKO, N.F. (Kiyev)

Fifteenth All-Union Congress of Theraputists. Vrach.delo
no.11:152-155 N '62. (MIRA 16:2)
(THERAPEUTICS—CONGRESSES)

SKOPICHENKO, N.F., dotsent

Sporadic case of ornithosis. Vrach. delo no.6:138-140 Je'63.
(MIRA 16:9)

1. Fakul'tetskaya terapevticheskaya klinika (zav. - prof.
G.I. Burchinskiy) Kiyevskogo meditsinskogo instituta.
(ORNITHOSIS)

SKOPICHENKO, N.F., dotsent

Comprehensive treatment of patients with acute leukemia (hemocytoblastosis). Vrach. delo no.11:123-125 N'63 (MIRA 16:12)

1. Kafedra fakul'tetskoy terapii (zav. - prof. G.I.Burchinskiy)
Kiyevskogo meditsinskogo instituta.

SKOPICHENKO, H.F., dotsent

Pigment metabolism in cancer. Vrach. delo no.1:64-69 Ja'64
(MIRA 17:3)

1. Fakul'tetskaya terapevticheskaya klinika (zav. - akademik
AN UkrSSR, deystvitel'nyy chlen AMN SSSR, prof. V.N. Ivanov
[deceased]) Kiyevskogo meditsinskogo instituta.

IVANOV, Vadim Nikolayevich, akademik; MAKARCHENKO, A.F., prof.,
akademik, otv. red.; BURCHINSKIY, G.I., prof., red.;
PELESHCHUK, A.P., prof., red.; PUTILIN, N.I., prof., red.;
REVUTSKIY, Ye.L., st. nauchn. sotr., red.; SKOPICHENKO,
N.F., dots., red.; CHEBOTAREV, D.F., prof., red.;
ONEL'CHENKO, A.T., st. nauchn. sotr., red.; MATYASHEVSKAYA,
T.I., red.

[Selected works] Izbrannye trudy. Kiev, Naukova dumka,
1965. 334 p. (MIRA 18:8)

1. Deystvitel'nyy chlen AMN SSSR (for Ivanov). 2. AN Ukr. SSR
(for Makarchenko, Ivanov). 3. Chlen-korrespondent AMN SSSR
(for Chebotarev).

SKOPIK, Jan

Comparison of 2 gastroenteritis epidemics in newborn infants. Cesk. pediat. 13 no.8:723-729 5 Sept 58.

1. Detske a kojenecke oddeleni OUMZ, Vitkov, primar MUDr. Jan Skopik.
(GASTROENTERITIS, in inf. & child
E. coli 055 infect. in newborn, comparison of 2 Czech.
nursery epidemics (Cz))
(ESCHERICHIA COLI, infect.
055 gastroenteritis in newborn, comparison of 2 Czech.
nursery epidemics (Cz))
(INFANT, NEWBORN, dis.
E. coli 055 gastroenteritis, comparison of 2 Czech. nursery
epidemics (Cz))

Shimizu, K.

"Plant Nutrition by The Use of Hydroponic Acid in The Green-Land Ore (Abstract)
System. J. 1966. (Zu Seiwassungs Zanderstern. Vol. 3, No. 11, Dec. 1966, Japan.)

Vol. 3, No. 3.

31: Monthly List of East European Accessions, Library of Congress, March 1954, Uncl.

SKOPIK, P.

"Utilization of Phosphorite Powder (Ground Raw Phosphates) for Fertilizing Agricultural Plants." p. 19. (ZA SOCIALISTICKE ZEMEDELSTVI, Vol. 4, no. 1, Jan. 1954, Praha, Czechoslovakia)

So: Monthly List of East European Accessions, LC, Vol. 3, No. 5, May 1954/Unclassified

SKOPIK, PAVEL

Strojena hnojiva a jejich pouziti v rostlinne vyrobe. (Artificial Fertilizers and Their Application in the Plant Production. 1st ed. illus.) Prague, SZN, 1957. 167 p.

Most important principles of applying artificial fertilizers in the individual types of agricultural crops.

Bibliograficky katalog, CSR, Ceske knihy, No. 37. 22 Oct 57. p. 810.

SKOPIK, P.

"Application of Lysenko's theory on the nutrition of plants in the fertilizing systems."

VESTNIK. Praha, Czechoslovakia, Vol. 5, No. 7/8, 1958.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 9, September 1959.

Unclassified.

SKOPIK, Pavel, inz., dr.; KOPECKY, Milan, inz.

Nutrition of grain in using combined fertilizers. Rost vyroba
9 no.3/4:313-328 Mr-Ap '63.

1. Vyzkumny ustav obilnarsky, Kromeriz.

SKOPIN, A.I.

Skopin, A. I. The factor groups of an upper central series of free groups. Doklady Akad. Nauk SSSR (N.S.) 74, 425-428 (1950). (Russian)

Let G be the free group with k free generators. Then let $G = G_0 \supset G_1 \supset \dots \supset G_n \supset \dots$ be an upper central series such that: (1) G_{i+1}/G_i is an elementary Abelian p -group, $p \geq 2$; (2) G_{i+1}/G_i is in the center of G/G_i ; and (3) G_i is minimal with properties (1) and (2). The author investigates the factor groups G_{i+1}/G_i . He uses the Magnus representation of G in terms of formal power series generated by $1+x_i$, $(1+x_i)^{-1} = 1-x_i+x_i^2-\dots$ with $i=1, \dots, k$. He shows that the elements of G of the form $1+\sum_{i=1}^k x_i^{p^m} + \dots$ are precisely the elements of G_n . From this it follows that G_n/G_{n-1} is a free group modulo p of all rank k and $G_n/G_{n-1} \cong G/G_{n-1}$ modulo p .

SKOPIN, A. I.

"P-Expansions of a Local Field Containing $\sqrt[p]{T}$ ". Cand Phys-Math Sci, Mathematics
Inst imeni Steklov, Moscow, 1953. Dissertation (Referativnyy Zhurnal--Matematika
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SO: SUM, 186, 19 Aug 1954

SKOPIN, N.I.

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Skopin, A. I. p -extensions of a local field containing $\sqrt[n]{1}$.
 Doklady Akad. Nauk SSSR (N.S.) 95, 29-32 (1954).
 (Russian)

Soient k un corps de nombres p -adiques, p la caractéristique de son corps résiduel, n son degré par rapport au corps p -adique rationnel. I. Chafarevitch (Safarevič) a prouvé [Mat. Sbornik N.S. 20(62), 351-363 (1947); ces Rev. 8, 560], à terminologie près, que le groupe de Galois (organisé par sa topologie de Krull) $G_{p/k}$ de la p -extension maximale Ω_p/k (autrement dit du composé de toutes les extensions galoisiennes de k , dont le degré est une puissance de p) est le complété du groupe libre de $n+1$ générateurs par rapport à sa p -topologie (autrement dit, sa topologie, où les sous-groupes d'indice fini puissance de p forment une base de la famille des voisinages de l'unité) quand k ne contient aucune racine p -ième primitive de l'unité. La question se pose de déterminer le groupe de Galois de Ω_p/k sans cette condition.

G étant un groupe topologique quelconque, soit G' l'adhérence de son sous-groupe engendré par les puissances p -ièmes et par les commutateurs de ses éléments. Posons

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$G^{(n)} = (G^{(n)})'$. Supposant que k contient une racine primitive p^n -ième de l'unité, l'auteur détermine complètement le facteur (dont l'ordre est fini) $G^*/G^{*(n)}$ de $G^* = G_{n,2}$. Il se trouve que ce facteur est isomorphe au facteur analogue du groupe fondamental d'une surface close de genre $h = (n+2)/2$, autrement dit à celui du groupe ϕ_h de $2h$ générateurs a_1, a_2, \dots, a_{2h} avec la seule relation définissante $(a_1, a_2)(a_3, a_4) \dots (a_{2h-1}, a_{2h}) \dots (a_{2h-1}, a_{2h})$, où (a, b) est le commutateur des a, b . L'idée de la démonstration est, d'une manière très vague, la suivante: par considération des classes de cohomologie (sous forme des invariants des k -algèbres simples normales) on démontre que $G^*/G^{*(n)}$ est une image homomorphe de ϕ_h et, ensuite, par considérations sur les ordres des groupes analogues à celles de Chafarévitch (mais où le théorème de Schreier sur le nombre des générateurs des sous-groupes d'un groupe libre est remplacé par un certain théorème connu dans la topologie algébrique), on montre que le noyau de cet homomorphisme est $\phi_h^{(n)}$.

Les résultats de ce travail se recoupent, en partie, avec ceux du travail récent (et indépendant) de Y. Kawada [voir l'analyse ci-dessous]. Kawada démontre (par des méthodes